



(19)

(11) Publication number: **2000311666 A**

Generated Document.

PATENT ABSTRACTS OF JAPAN(21) Application number: **2000080841**(51) Intl. Cl.: **H01M 2/06 H01M 2/08 H01M 2/26 H01M 2/30 H01M 10/04 H01M 10/40**(22) Application date: **22.03.00**

(30) Priority: **22.03.9921.03.00 USUS 99
12563800 532360**

(43) Date of application publication: **07.11.00**

(84) Designated contracting states:

(71) Applicant: **THOMAS & BETTS CORP <T&B>**

(72) Inventor: **XIE LIKE
ALAMGIR MOHAMED
TAMBURRINO PETER C**

(74) Representative:

**(54) METHOD FOR
IMPROVING
AIRTIGHTNESS BY
PROCESSING
CONNECTING LEAD OF
ELECTROCHEMICAL
BATTERY AND
AIRTIGHTLY SEALED
ELECTROCHEMICAL
BATTERY THEREBY**

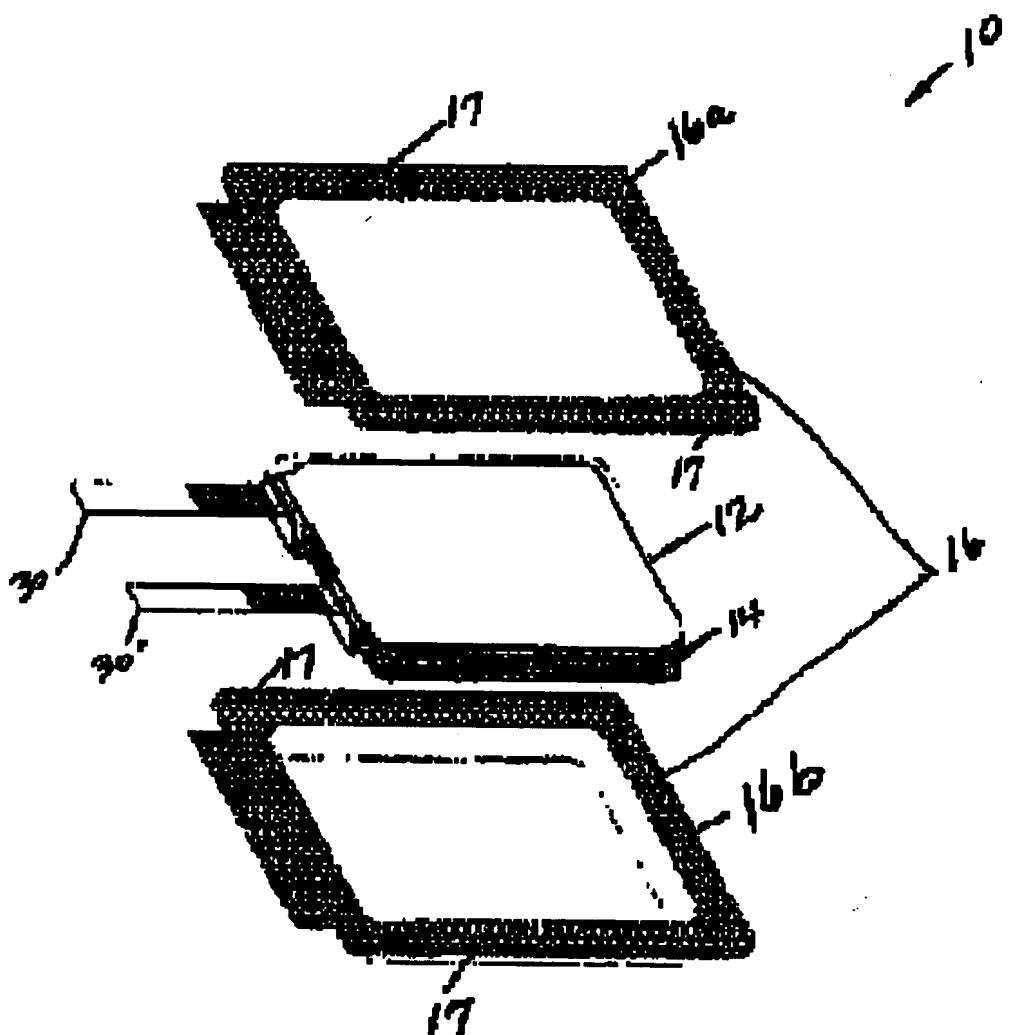
(57) Abstract:

PROBLEM TO BE SOLVED: To secure airtightness and to prevent the deterioration of a battery by coating connecting tabs with a cover made of an airtightly sealing adhesive composition to uniformly cover the connecting tabs, and inserting a battery package so that connecting leads are protruded from a sealing body at sealing positions in the final closure sealing body.

SOLUTION: Tabs 30, 30' serving as connecting leads to a battery 12 having a plurality of bi-cells 14 are made of a metal forming the electric conductive state between the positive

electrode and negative electrode of the battery 12, and their surfaces are covered with a thermally sealable adhesive material for airtight sealing. The covered tabs 30, 30' are welded to corresponding current collectors made of a metal foil. A sealing body 16 is provided with an upper sealing layer 16a and a lower sealing layer 16b located at overlapped positions, and it has a laminated structure for sealing the battery 12 along a sealing rim 17. A completed electrochemical battery assembly 10 is thermally sealed in a final closure sealing body so that the sealed tabs 30, 30' are extended to the outside from the sealing body 16.

COPYRIGHT: (C)2000,JPO



Delphion

RESEARCH

INTEGRATED IAM

SERVICES

INSIDE DELPHION

The Delphion Integrated View

Buy Now: [More choices...](#)Tools: Add to Work File: [Create new Work File](#) Go View: INPADOC | Jump to: [Top](#) Go to: [Derwent...](#)

Email this to a friend

>Title: **JP2000311666A2: METHOD FOR IMPROVING AIRTIGHTNESS BY PROCESSING CONNECTING LEAD OF ELECTROCHEMICAL BATTERY AND AIRTIGHTLY SEALED ELECTROCHEMICAL BATTERY THEREBY**

Country: JP Japan

Kind: A2 Document Laid open to Public inspection

Inventor: XIE LIKE;
ALAMGIR MOHAMED;
TAMBURRINO PETER C;[View Image](#)

1 page



Assignee: THOMAS & BETTS CORP <T&B>

[News, Profiles, Stocks and More about this company](#)

Published / Filed: Nov. 7, 2000 / March 22, 2000

Application Number: JP20002000080841

IPC Code: H01M 2/06; H01M 2/08; H01M 2/26; H01M 2/30; H01M 10/04; H01M 10/40;

Priority Number: March 21, 2000 US2000000532360

Abstract:

PROBLEM TO BE SOLVED: To secure airtightness and to prevent the deterioration of a battery by coating connecting tabs with a cover made of an airtightly sealing adhesive composition to uniformly cover the connecting tabs, and inserting a battery package so that connecting leads are protruded from a sealing body at sealing positions in the final closure sealing body.

SOLUTION: Tabs 30, 30' serving as connecting leads to a 12 having a plurality of bi-cells 14 are made of a metal forming the electric conductive state between the positive electrode and negative electrode of the battery 12, and their surfaces are covered with a thermally sealable adhesive material for airtight sealing. The covered tabs 30, 30' are welded to corresponding current collectors made of a metal foil. A sealing body 16 is provided with an upper sealing layer 16a and a lower sealing layer 16b located at overlapped positions, and it has a laminated structure for sealing the battery 12 along a sealing rim 17. A completed electrochemical battery assembly 10 is thermally sealed in a final closure sealing body so that the sealed tabs 30, 30' are extended to the outside from the sealing body 16.

COPYRIGHT: (C)2000,JPO

Designated Country: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

[Show 6 known family members](#)

Other Abstract Info: CHEMABS 133(17)240634T CHEMABS 133(23)323984H CHEMABS 133(23)323984H



Nominate

[this for the Gallery...](#)

© 1997-2002 Delphion, Inc. [Research Subscriptions](#) | [Privacy Policy](#) | [Terms & Conditions](#) | [Site Map](#) | [Contact Us](#)